

Applicant:

Wooh, et al.

For:

BUILDING CONSTRUCTION AND METHOD USING TENSION SUPPORT METHOD

Sub 1. A building construction using tensional support members comprising: a support structure for bearing a compressive load; a support beam borne by said structure; at least one enclosure cell; and at least one tension member for suspending a said enclosure cell from said support beam. (84) 711, 72, 75 (85)

1, 2 (80, 31) 23

2. The building structure of claim 1 in which said support structure includes a column. (80, 31, 514)
repeat 1, 2 (80, 31, 514)
repeat 1, 2 (80, 31, 514)

3. The building structure of claim 1 in which said support structure includes two columns. (80, 31, 514)

4. The building structure of claim 1 in which said support structure includes at least three columns. (80, 31, 514)

5. The building structure of claim 1 in which said support beam includes a linear beam. (80, 31, 514)

6. The building structure of claim 1 in which said support beam includes an annular beam. (80, 31, 514)

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1 7. The building structure of claim 1 in which said support beams includes a
2 number of linear beams.

1 8. ~~Mark~~
1 The building structure of claim 1 in which said support beam includes an
2 inner and an outer annular beam and an interconnection structure connecting the two.

1 9. The building structure of claim 1 in which said support beam includes a
2 tension member including a cable element. ~~11. 22103~~

1 10. The building structure of claim 1 in which said support beam includes a
2 number of cable elements suspending each said enclosure cell.

1 11. The building structure of claim 1 in which said support beam includes a
2 fiber reinforced plastic material.

1 12. The building structure of claim 1 in which said enclosure cell includes a
2 wall and floor.

1 13. The building structure of claim 1 in which said support beam includes
2 fiber reinforced plastic material.

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1 14. A method of building using tensioned support members comprising
2 providing a support structure for bearing a compressional load; installing a support beam
3 on said support structure; providing at least one enclosure cell; and suspending each
4 enclosure cell with a tension member from said support beam.

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1 15. The method of claim 14 further including suspending additional enclosure
2 cells from said support beam.

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1 16. The method of claim 14 in which said support structure includes at least
2 two columns. 63163

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1 17. The method of claim 14 in which said support beam includes at least two
2 beams.

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1 18. The method of claim 14 in which said support beam includes a linear
2 beam.

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1 19. The method of claim 14 in which said support beam includes an annular
2 beam.

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1 20. The method of claim 14 in which said support beam includes an inner and
2 an outer annular beam and an interconnection structure between the line.

DEPARTMENT OF SCIENCE & TECHNOLOGY